

## CLAIMS

1. Energy routing device containing at least one energy routing chain (7) of attached links that are linked one under the other around vertical axes to the longitudinal direction of the energy routing chain (7), and where a first end (8)  
5 of the energy routing chain (7) can be attached to a fixed location and the second end (14) can be moved at least in the longitudinal direction; also it includes a carrying side (15) and a returning side (9); arranged between them is at least one central appliance (16) that can be moved back and forth in the longitudinal direction of the energy routing chain (7), characterized by the  
10 fact that the central appliance (16, 34, 53, 71) has an effective connection with the carrying side (15) so that during this effective connection, the central appliance (16, 34, 53, 71) is moved along solely by the carrying side (15).
2. Energy routing device according to Claim 1, characterized by the fact the  
15 effective connection is a frictional connection.
3. Energy routing device according to Claim 1 or 2, characterized by the fact that the central appliance (16, 34, 53, 71) has rolling elements (54, 73).
- 20 4. Energy routing device according to Claim 3, characterized by the fact the rolling elements (17) include wheels.
5. Energy routing device according to Claim 3 or 4, characterized by the fact that the rolling elements include rollers.
- 25 6. Energy routing device according to any one of Claims 3, 4, or 5, characterized by the fact that at least two rolling elements (73) are joined together by a rigid axis (79).

7. Energy routing device according to any one of Claims 3 to 6, characterized by the fact that at least the rolling elements (17, 54, 73) are made of at least one plastic material.
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8. Energy routing device according to any one of Claims 3 to 7, characterized by the fact that the rolling elements (17, 54, 73) are connected to at least one truss (55, 72).
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9. Energy routing device according to Claim 8, characterized by the fact that at least one truss (55, 72) is formed by a profile (80, 81).
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10. Energy routing device according to any one of Claims 1 to 9, characterized by the fact that the rolling elements (17, 54, 73) and/or at least some links have elements for forming an effective connection.
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11. Energy routing device according to any one of Claims 1 to 10, characterized by the fact that the central appliance (16, 34, 53, 71), especially the rolling elements (17, 54, 73) are suitable to be moved on the bottom side (18) of the carrying side (15).
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12. Energy routing device according to any one of Claims 1 to 10, characterized by the fact that the central appliances (16, 34, 53, 60, 71) can be routed in at least one guiding duct (56) running longitudinally to the energy routing chain.
13. Energy routing device according to Claim 12, characterized by the fact that the guiding duct (56) is formed by at least one duct profile (57).

14. Energy routing device according to Claim 13, characterized by the fact that the cross-section of the duct profile (57) is substantially L-shaped or U-shaped.
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15. Energy routing device according to any one of Claims 1 to 14, characterized by the fact that central appliances (60) have at least one return motion unit (65) which can be brought into contact with an inner side of the curvature area (64) of the energy routing chain.
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16. Energy routing device according to Claim 15, characterized by the fact that the contact occurs within a contact area which is substantially at the same height (H) as the center of curvature (KM) of the curvature area (64).
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17. Energy routing device according to Claims 15 or 16, characterized by the fact that the return motion device (65) has at least one, preferably tiltable contact unit (66).
18. Energy routing device according to any one of Claims 1 to 17, characterized by the fact that it has two energy routing chains (32, 33) whose respective first ends are adjacent to each other and whose respective second ends (38, 39) can be moved together, and that the central appliance (34) is arranged between the two energy routing chains (32, 33).
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19. Energy routing device according to at least one of Claims 1 to 18, characterized by the fact that it has a channel (1) with a floor (5) that includes two flanks (4) extending in a substantially longitudinally horizontal direction.
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20. Energy routing device according to Claim 19, characterized by the fact that the channel contains the guidance duct for the central appliance (34).
21. Energy routing device according to Claim 20, characterized by the fact that  
5 the floor (15) of the channel is located in a part of the length of the channel (1) that is opposite to the returning side (9) regarding the first end (8) of the energy routing chain, and the floor (15) of the channel is basically at the same level as the upper side (13) of the returning side, thereby creating the routing.
- 10 22. Energy routing device according to claim 20 or 21, characterized by the fact that the guidance duct is formed by the flanks (4).